

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method of controlling the coupling of multi-platform reservoir and network simulators comprising:
 - synchronizing the advancement through time of the network simulators; [[and]]
 - converting each of the hydrocarbon fluid streams to a fluid model of a controller between different sets of based on corresponding pseudo-components used in the network simulators;
 - obtaining a coupled simulation using the converted hydrocarbon fluid streams; and
 - generating a plan based on the coupled simulation, wherein the plan is implemented to improve production of the multi-platform reservoir.
2. (Currently Amended) A controller for coupling multi-platform reservoir and network simulators comprising:
 - means for synchronizing the advancement through time of the network simulators; [[and]]
 - means for converting each of the hydrocarbon fluid streams to a fluid model of the controller between different sets of based on corresponding pseudo-components used in the network simulators;
 - means for obtaining a coupled simulation using the converted hydrocarbon fluid streams; and
 - means for generating a plan based on the coupled simulation, wherein the plan is implemented to improve production of the multi-platform reservoir.
3. (Currently Amended) The controller of claim [[3]] 2 additionally comprising means for applying production and injection constraints to the coupled simulation by apportioning the production and injection constraints between the network simulators.
4. (Original) The controller of claim 3 additionally comprising means for balancing reservoir and surface networks.
5. (Canceled)